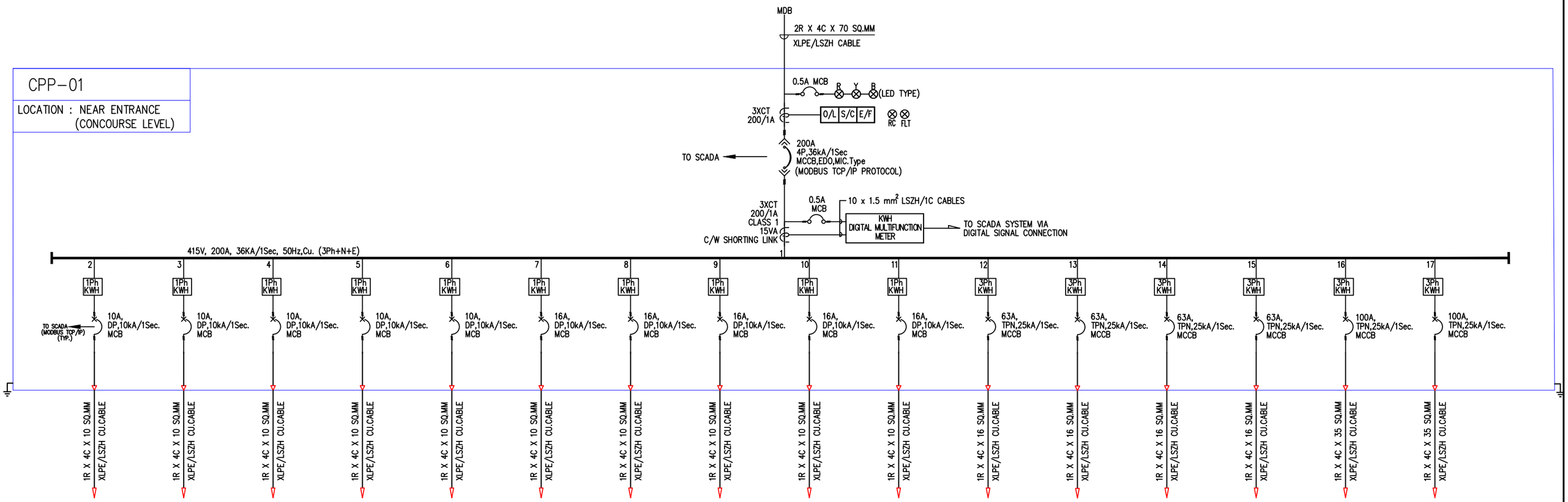
CPP-01
LOCATION : NEAR ENTRANCE (CONCOURSE LEVEL)
MDB
2R X 4C X 70 SQ.MM XLPE/LSZH CABLE
0.5A MCB
R Y B (LED TYPE)
3XCT 200/1A
O/L S/C E/F
RC FLT
200A 4P,36kA/1Sec MCCB,EDO,MIC.Type (MODBUS TCP/IP PROTOCOL)
TO SCADA
3XCT 200/1A CLASS 1 15VA C/W SHORTING LINK
0.5A MCB
10 x 1.5 mm² LSZH/1C CABLES
KWH DIGITAL MULTIFUNCTION METER
TO SCADA SYSTEM VIA DIGITAL SIGNAL CONNECTION
415V, 200A, 36KA/1Sec, 50Hz,Cu. (3Ph+N+E)
1
2 1Ph KWH 10A, DP,10kA/1Sec. MCB TO SCADA (MODBUS TCP/IP) (TYP.) 1R X 4C X 10 SQ.MM XLPE/LSZH CU.CABLE
3 1Ph KWH 10A, DP,10kA/1Sec. MCB 1R X 4C X 10 SQ.MM XLPE/LSZH CU.CABLE
4 1Ph KWH 10A, DP,10kA/1Sec. MCB 1R X 4C X 10 SQ.MM XLPE/LSZH CU.CABLE
5 1Ph KWH 10A, DP,10kA/1Sec. MCB 1R X 4C X 10 SQ.MM XLPE/LSZH CU.CABLE
6 1Ph KWH 10A, DP,10kA/1Sec. MCB 1R X 4C X 10 SQ.MM XLPE/LSZH CU.CABLE
7 1Ph KWH 16A, DP,10kA/1Sec. MCB 1R X 4C X 10 SQ.MM XLPE/LSZH CU.CABLE
8 1Ph KWH 16A, DP,10kA/1Sec. MCB 1R X 4C X 10 SQ.MM XLPE/LSZH CU.CABLE
9 1Ph KWH 16A, DP,10kA/1Sec. MCB 1R X 4C X 10 SQ.MM XLPE/LSZH CU.CABLE
10 1Ph KWH 16A, DP,10kA/1Sec. MCB 1R X 4C X 10 SQ.MM XLPE/LSZH CU.CABLE
11 1Ph KWH 16A, DP,10kA/1Sec. MCB 1R X 4C X 10 SQ.MM XLPE/LSZH CU.CABLE
12 3Ph KWH 63A, TPN,25kA/1Sec. MCCB 1R X 4C X 16 SQ.MM XLPE/LSZH CU.CABLE
13 3Ph KWH 63A, TPN,25kA/1Sec. MCCB 1R X 4C X 16 SQ.MM XLPE/LSZH CU.CABLE
14 3Ph KWH 63A, TPN,25kA/1Sec. MCCB 1R X 4C X 16 SQ.MM XLPE/LSZH CU.CABLE
15 3Ph KWH 63A, TPN,25kA/1Sec. MCCB 1R X 4C X 16 SQ.MM XLPE/LSZH CU.CABLE
16 3Ph KWH 100A, TPN,25kA/1Sec. MCCB 1R X 4C X 35 SQ.MM XLPE/LSZH CU.CABLE
17 3Ph KWH 100A, TPN,25kA/1Sec. MCCB 1R X 4C X 35 SQ.MM XLPE/LSZH CU.CABLE

BILL OF MATERIALS

ITEM	DESCRIPTION	QTY, IN No's
INCOMING		
MCCB	200A 4P,36kA/1Sec MCCB,EDO,MIC.Type	1 NO.
RYB	R Y B PHASE INDICATING LAMPS (240 AC)	1 SET
CT's	CURRENT TRANSFORMER 200/1A	1 SET
OUTGOING		
MCB	10A, DP,10kA/1Sec.	5 NO's
MCB	16A, DP,10kA/1Sec.	5 NO's
MCB	63A, TPN,10kA/1Sec.	4 NO's
MCCB	100A, TPN,10kA/1Sec.	2 NO's
KWH METER	3 PHASE, 5-30A KILOWATTS METER	10 NO's
KWH METER	1 PHASE, 20A KILOWATTS METER	6 NO's

REV NO	DATE	DESCRIPTION	SIGN

DRAWN BY	DESIGN BY	CHECKED BY	APPROVED BY
24.11.2022	24.11.2022	24.11.2022	24.11.2022

The responsibility of overall correctness of design and drawings submitted by IDC as per IDC's Scope of work, rests with the IDC

(Name and Designation)
Authorised Signatory for IDC.

BANGALORE METRO RAIL PROJECT

DY CE

CE (P&D)

CEE

BANGALORE METRO RAIL PROJECT

CONTRACT - BMRCL/IDC/UGDD-PHASE-2/2015, REACH 6, DAIRY CIRCLE TO NAGAWARA

BANGALORE METRO RAIL CORPORATION LTD.

DRAWING TITLE : ELECTRICAL

ELECTRICAL MAIN DB SINGLE LINE DIAGRAM

DRG.NO : BMRCL/PHII/R6-UG/E&M/ELE-DWG-1000

REV.NO. 0

SCALE : NTS (A1)

DATE : 24.11.2022

STATUS : TENDER DESIGN SUBMISSION

E&M - SERVICES